



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

MEMORANDUM TO: Project Engineers
Project Design Engineers

FROM: G. R. Perfetti, P. E.
State Bridge Design Engineer

DATE: October 3, 2011

SUBJECT: ADT Criterion for Sub-Regional Tier Bridge Type

To assist in selecting the appropriate bridge type for Sub-Regional Tier, the criteria in Section 6.1.2 – *Span Layout* of the Design Manual has been revised to include the following:

Do not use cored slabs or box beams for Sub-Regional Tier bridges with current year average daily traffic (ADT) data $\geq 2,000$, design year ADT $\geq 4,000$, or expected concentration of truck traffic (e.g. localized hauling or other industry). Use an alternate bridge type such as a girder bridge with a cast-in-place deck slab.

GRP/GM

cc: T. K. Koch, P. E.
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